

Title (en)

METHOD, APPARATUS, DEVICE, AND MEDIUM FOR DETERMINING ANGLE OF YAW

Title (de)

VERFAHREN, VORRICHTUNG, EINRICHTUNG UND MEDIUM ZUR BESTIMMUNG DES GIERWINKELS

Title (fr)

PROCÉDÉ, APPAREIL, DISPOSITIF ET SUPPORT POUR DÉTERMINER L'ANGLE DE LACET

Publication

EP 3623838 A1 20200318 (EN)

Application

EP 19190966 A 20190809

Priority

CN 201811063981 A 20180912

Abstract (en)

Embodiments of the present disclosure provide a method, an apparatus, a device, and a medium for determining an angle of yaw, relating to a field of automatic driving. The method includes: obtaining, during a vehicle being driving straightly on a straight road, data of each obstacle in an environment located by the vehicle, the data of each obstacle being detected by a millimeter wave radar sensor located in the vehicle, at least one metal obstacle being provided on the straight road; recognizing the metal obstacle based on the data of each obstacle, and obtaining a metal obstacle line by fitting positions of the metal obstacle at different time points; and determining an angle between the metal obstacle line and a direction of a vehicle body as an angle of yaw between the millimeter wave radar sensor and the vehicle body.

IPC 8 full level

G01S 7/40 (2006.01); **G01S 13/50** (2006.01); **G01S 13/931** (2020.01)

CPC (source: CN EP US)

G01S 7/4026 (2013.01 - EP); **G01S 7/403** (2021.05 - EP); **G01S 7/411** (2013.01 - US); **G01S 13/06** (2013.01 - CN); **G01S 13/50** (2013.01 - EP); **G01S 13/589** (2013.01 - US); **G01S 13/60** (2013.01 - US); **G01S 13/931** (2013.01 - CN EP US); **G01S 7/4091** (2021.05 - EP)

Citation (search report)

- [XI] US 2013218398 A1 20130822 - GANDHI DANIEL [US], et al
- [X] US 2018045811 A1 20180215 - CAO YUNYUN [JP], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

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DOCDB simple family (application)

EP 19190966 A 20190809; CN 201811063981 A 20180912; JP 2019165522 A 20190911; US 201916550442 A 20190826